

## **4123:1-13-01      Scope and definitions.**

### **(A) Scope.**

The purpose of these safety requirements is to provide reasonable safety for life, limb and health of employees. In cases of practical difficulty or unnecessary hardship, the Ohio bureau of workers' compensation may grant exceptions from the literal provisions of these requirements or permit the use of other devices or methods when, in the opinion of the industrial commission, equivalent protection is thereby secured.

These specific requirements supplement those of Chapter 4123:1-5 of the Administrative Code, "Specific Safety Requirements of the Ohio Bureau of Workers' Compensation Relating to All Workshops and Factories," and are minimum requirements of an employer for the protection of such employer's employees and no others and apply to the rubber and plastic industries where rubber or plastics are processed.

Equipment used in the laboratory varies greatly from manufacturing equipment in size, speed, and height and is specifically excepted from the detailed provisions of these requirements; however, equivalent protection shall be provided.

Installations or constructions built or contracted for prior to the effective date of any requirement shall be deemed to comply with the provisions of these requirements if such installations or constructions comply either with the provisions of these requirements or with the provisions of any applicable specific requirement which was in effect at the time contracted for or built.

### **(B) Definitions.**

- (1) "Approved" means accepted or certified by a nationally recognized testing agency, such as "Underwriters' Laboratories," "Factory Mutual Engineering Corporation," or a responsible governmental agency.
- (2) "Bite" ("nip point") means the point of meeting between any two in-running rolls.
- (3) "Calender" means a machine equipped with two or more metal rolls revolving in opposite directions and used for continuously sheeting or plying up rubber or plastic compounds and for frictioning or coating fabric with rubber or plastic compounds.
- (4) "Danger zone" means the point of operation where a known critical hazard exists.
- (5) "Factor of safety" means the ratio between the ultimate breaking stress and the working stress of the material, structure or device. For example, the term "factor of safety of four" means that the material, structure or device shall be constructed of such strength that the maximum load will be one-fourth the designed ultimate breaking load. Where other factors of safety appear, they shall apply in the same manner. The standards of the "American Society for Testing Materials" shall be used in determining the strength of material except as otherwise provided herein.
- (6) "Guard" means the covering, fencing, railing, or enclosure which shields an object from accidental contact.
- (7) "Guarded" means that the object is covered, fenced, railed, enclosed or otherwise shielded from accidental contact.
- (8) "Mill" means a machine consisting of two adjacent, heavy rolls, set horizontally, which revolve in opposite directions (i.e., toward each other as viewed from above) used for the mechanical working of

rubber or plastic.

- (9) "Operator" means any employee assigned or authorized to work at the specific equipment.
- (10) "Pinch point" ("shear point") means any point at which it is possible to be caught between the moving parts of a machine, or between the moving and stationary parts of a machine, or between the material and the moving part or parts of a machine.
- (11) "Point of operation" means the area on a machine where work is actually performed upon the material being processed.
- (12) "Securely fastened" means that the object or thing referred to shall be substantially fixed in place.
- (13) "Safety trip" means a device for stopping the travel of rolls when the device is actuated in an emergency.
- (14) "Shall" is to be construed as mandatory.
- (15) "Substantial" means construction of such strength, of such materials, and of such workmanship that the object will withstand the wear, usage, or shock for which it is designed.

Effective: 10/12/14

Prior Effective Dates: 4/1/64, 1/1/82, 12/1/04, 3/15/10